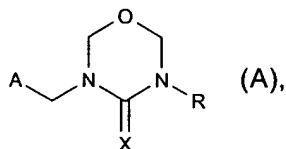


WHAT IS CLAIMED IS:

1. A composition for controlling insects or representatives of the order Acarina, which comprises a combination of variable amounts of one or more compounds of the formula



in which

A is an unsubstituted or, depending on the possibility of substitution on the ring system, mono- to tetrasubstituted, aromatic or non-aromatic monocyclic or bicyclic heterocyclic radical, in which the substituents of A are chosen from the group consisting of C₁-C₃alkyl, C₁-C₃alkoxy, halogen, halo-C₁-C₃alkyl, cyclopropyl, halocyclopropyl, C₂-C₃alkenyl, C₂-C₃alkynyl, halo-C₂-C₃alkenyl, halo-C₂-C₃alkynyl, halo-C₁-C₃alkoxy, C₁-C₃alkylthio, Halo-C₁-C₃alkylthio, allyloxy, propargyloxy, allylthio, propargylthio, haloallyloxy, haloallylthio, cyano and nitro;

R is hydrogen, C₁-C₆alkyl, phenyl-C₁-C₄alkyl, C₃-C₆cycloalkyl, C₂-C₆alkenyl or C₂-C₆alkynyl; and

X is N-NO₂ or N-CN,

in the free form or in salt form, if appropriate tautomers, in the free form or salt form, and one or more of the compounds:

(I) aldicarb;	(XV) deltamethrin;	(XXIX) mevinphos;
(II) azinphos-methyl;	(XVI) diflubenzuron;	(XXX) parathion;
(III) benfuracarb;	(XVII) endosulfan;	(XXXI) parathion-methyl;
(IV) bifenthrin;	(XVIII) ethiofencarb;	(XXXII) phosalone;
(V) buprofezin;	(XIX) fenitrothion;	(XXXIII) pirimicarb;
(VI) carbofuran;	(XX) fenobucarb;	(XXXIV) propoxur;
(VII) dibutylaminothio;	(XXI) fenvalerate;	(XXXV) teflubenzuron;
(VIII) cartap;	(XXII) formothion;	(XXXVI) terbufos;
(IX) chlorofluazuron;	(XXIII) methiocarb;	(XXXVII) triazamate;
(X) chlorpyrifos;	(XXIV) heptenophos;	(XXXVIII) abamectin;
(XI) cyfluthrin;	(XXV) imidacloprid;	(XXXIX) fenobucarb;
(XII) lambda-cy-halothrin;	(XXVI) isoprocarb;	(XL) tebufenozide;
(XIII) alpha-cypermethrin;	(XXVII) methamidophos;	(XLI) fipronil;
(XIV) zeta-Cypermethrin;	(XXVIII) methomyl;	(XLII) beta-cyfluthrin;

(XLIII) silafluofen;	(XLVI) fenazaquin;	(XLIX) nitenpyram;
(XLIV) fenpyroximate;	(XLVII) pyriproxyfen;	(L) NI-25, acetamiprid;
(XLV) pyridaben;	(XLVIII) pyrimidifen;	
(LI) avermectin B ₁ (abamectin);		
(LII) a plant extract which is active against insects;		
(LIII) a preparation which comprises nematodes which are active against insects;		
(LIV) a preparation obtainable from <i>Bacillus subtilis</i> ;		
(LV) a preparation which comprises fungi which are active against insects;		
(LVI) a preparation which comprises viruses which are active against insects;		
(LVII) AC 303 630;	(LXXXI) chloromephos;	(CVI) fenothiocarb;
(LVIII) acephate;	(LXXXII) cis-res-methrin;	(CVII) fenpropathrin;
(LIX) acrinathrin;	(LXXXIII) clocythrín;	(CVIII) fenpyrad;
(LX) alanycarb;	(LXXXIV) clofentezin;	(CIX) fenthion;
(LXI) alphamethrin;	(LXXXV) cyanophos;	(CX) fluazinam;
(LXII) amitraz;	(LXXXVI) cycloprothrin;	(CXI) flucycloxuron;
(LXIII) AZ 60541;	(LXXXVII) cyhexatin;	(CXII) flucythrinate;
(LXIV) azinphos A;	(LXXXVIII) demeton M;	(CXIII) flufenoxuron;
(LXV) azinphos M;	(LXXXIX) demeton S;	(CXIV) flufenprox;
(LXVI) azocyclotin;	(XC) demeton-S-methyl;	(CXV) fonophos;
(LXVII) bendiocarb;	(XCI) dichlofenthion;	(CXVI) fosthiazate;
(LXVIII) bensultap;	(XCII) dicliphos;	(CXVII) fubfenprox;
(LXIX) betacyfluthrin;	(XCIII) diethion;	(CXVIII) HCH;
(LXX) BPMC;	(XCIV) dimethoate;	(CXIX) hexaflumuron;
(LXXI) brofenprox;	(XCV) dimethylvinphos;	(CXX) hexythiazox;
(LXXII) bromophos A;	(XCVI) dioxathion;	(CXXI) iprobenfos;
(LXXIII) bufencarb;	(XCVII) edifenphos;	(CXXII) isofenphos;
(LXXIV) butocarboxin;	(XCVIII) emamectin;	(CXXIII) isoxathion;
(LXXV) butylpyridaben;	(XCIX) esfenvalerate;	(CXXIV) ivermectin;
(LXXVI) cadusafos;	(C) ethion;	(CXXV) lambda-
(LXXVII) carbaryl;	(CI) ethofenprox;	cyhalothrin;
(LXXVIII) carbophen-	(CII) ethoprophos;	(CXXVI) malathion;
thion;	(CIII) etrimphos;	(CXXVII) mecarbam;
(LXXIX) chloethocarb;	(CIV) fenamiphos;	(CXXVIII) mesulfenphos;
(LXXX) chloroethoxyfos;	(CV) fenbutatin oxide;	(CXXIX) metaldehyde;

(CXXX) metolcarb;	(CXLIX) prothoate;	(CLXVIII) thionazin;
(CXXXI) milbemectin;	(CL) pyrachlophos;	(CLXIX) thuringiensin;
(CXXXII) moxidectin;	(CLI) pyrada-phenthion;	(CLXX) tralomethrin;
(CXXXIII) naled;	(CLII) pyresmethrin;	(CLXXI) triarthen;
(CXXXIV) NC 184;	(CLIII) pyrethrum;	(CLXXII) triazophos;
(CXXXV) omethoate;	(CLIV) RH 5992;	(CLXXIII) triazuron;
(CXXXVI) oxamyl;	(CLV) salithion;	(CLXXIV) trichlorofon;
(CXXXVII) oxydeme- thon M;	(CLVI) sebufos;	(CLXXV) triflumuron;
(CXXXVIII) oxydeprofos;	(CLVII) sulfotep;	(CLXXVI) trimethacarb;
(CXXXIX) permethrin;	(CLVIII) sulprofos;	(CLXXVII) vamidothion;
(CXL) phenthoate;	(CLIX) tebufenpyrad;	(CLXXVIII) xylylcarb;
(CXLI) phorate;	(CLX) tebupirimphos;	(CLXXIX) YI 5301/5302;
(CXLII) phosmet;	(CLXI) tefluthrin;	(CLXXX) zetamethrin;
(CXLIII) phoxim;	(CLXII) temephos;	(CLXXXI) DPX-MP062;
(CXLIV) pirimiphos M;	(CLXIII) terbam;	(CLXXXII) RH-2485;
(CXLV) pirimiphos A;	(CLXIV) tetrachloro- vinphos;	(CLXXXIII) D 2341; or
(CXLVI) promecarb;	(CLXV) thiafenox;	(CLXXXIV) XMC (3,5- xylylmethylcarbamate),
(CXLVII) propaphos;	(CLXVI) thiodicarb;	
(CXLVIII) prothiofos;	(CLXVII) thiofanox;	

and at least one auxiliary.

2. A composition according to claim 1, in which, in the compound of the formula (A), R is hydrogen, C₁-C₄alkyl, C₃-C₆cycloalkyl, C₂-C₆alkenyl or C₂-C₆alkynyl.

3. A composition according to claim 1 or 2, in which, in the compound of the formula (A), the cyclic base skeleton of A contains 2 to 4 double bonds.

4. A composition according to any one of claims 1 to 3, in which, in the compound of the formula (A), the cyclic base skeleton of A contains 1 up to and including 4 heteroatoms.

5. A composition according to any one of claims 1 to 4, in which, in the compound of the formula (A), the cyclic base skeleton of A contains 1, 2 or 3 heteroatoms, chosen from the group consisting of oxygen, sulfur and nitrogen, not more than one of the heteroatoms contained in the cyclic base skeleton being an oxygen or a sulfur atom.

6. A composition according to any one of claims 1 to 5, in which, in the compound of the formula (A) the cyclic base skeleton of A is mono- or disubstituted by substituents chosen from the group consisting of halogen and C₁-C₃alkyl.
7. A composition according to any one of claims 1 to 6, in which, in the compound of the formula (A), the cyclic base skeleton of A is a pyridyl, 1-oxidopyridinio or thiazolyl group.
8. A composition according to any one of claims 1 to 7, in which, in the compound of the formula (A), X is N-NO₂.
9. A composition according to claim 1, which comprises either
 - (A.1) (2-chloropyrid-5-ylmethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
 - (A.2) (2-chlorothiazol-5-ylmethyl)-3-ethyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
 - (A.3) 3-methyl-4-nitroimino-5-(1-oxido-3-pyridiniomethyl)-perhydro-1,3,5-oxadiazine;
 - (A.4) (2-chloro-1-oxido-5-pyridiniomethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
 - (A.5) (2-chlorothiazol-5-ylmethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
 - (A.6) 3-methyl-5-(2-methylpyrid-5-ylmethyl)-4-nitroimino-perhydro-1,3,5-oxadiazine;
 - (A.7) (2-chloropyrid-5-ylmethyl)-4-nitroimino-perhydro-1,3,5-oxadiazine;
 - (A.8) (2-chlorothiazol-5-ylmethyl)-4-nitroimino-perhydro-1,3,5-oxadiazine; or
 - (A.9) (2-chloropyrid-5-ylmethyl)-3-ethyl-4-nitroimino-perhydro-1,3,5-oxadiazine.
10. A composition according to any one of claims 1 to 9, which comprises 5-(2-chlorothiazol-5-ylmethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine.
11. A composition according to any one of claims 1 to 10, which comprises only one of the compounds (I) to (CLXXXIV).
12. A composition according to any one of claims 1 to 11 which comprises pyriproxyfen.
13. A composition according to any one of claims 1 to 11, which comprises fipronil.
14. A composition according to any one of claims 1 to 11, which comprises endosulfan.
15. A composition according to any one of claims 1 to 11, which comprises buprofezin.
16. A composition according to any one of claims 1 to 11, which comprises pirimicarb.

17. A method of controlling pests, which comprises applying a composition as defined in any one of claims 1 to 16, to the pests or their environment.

18. A method according to claim 17, for the protection of plant propagation material, which comprises treating the plant propagation material or the site where the propagation material is brought out.

19. A process for the preparation of a composition comprising at least one auxiliary as defined in any one of claims 1 to 16, which comprises intimately mixing the active compounds with the auxiliary or auxiliaries.

20. Plant propagation material treated by the method defined in claim 18.

21. The use of a composition as defined in any one of claims 1 to 16, in a method as defined in claim 17 or 18.

22. The use of a compound of the formula (A), in the free form or in an agrochemically usable salt form, for the preparation of a composition as defined in any one of claims 1 to 16.